Data Sheet (Cat.No.TMAC-02546)

Anti-MAP2K3/MAP2K6 Antibody (7F635)

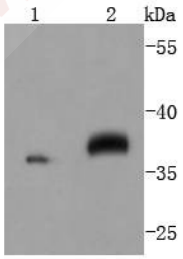
Product Details

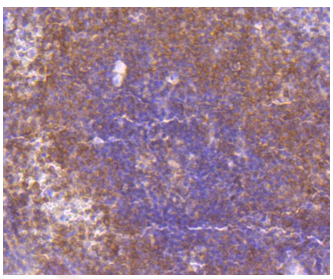
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 39/37 kDa.
Clone:	7F635
Purification:	ProA affinity purified

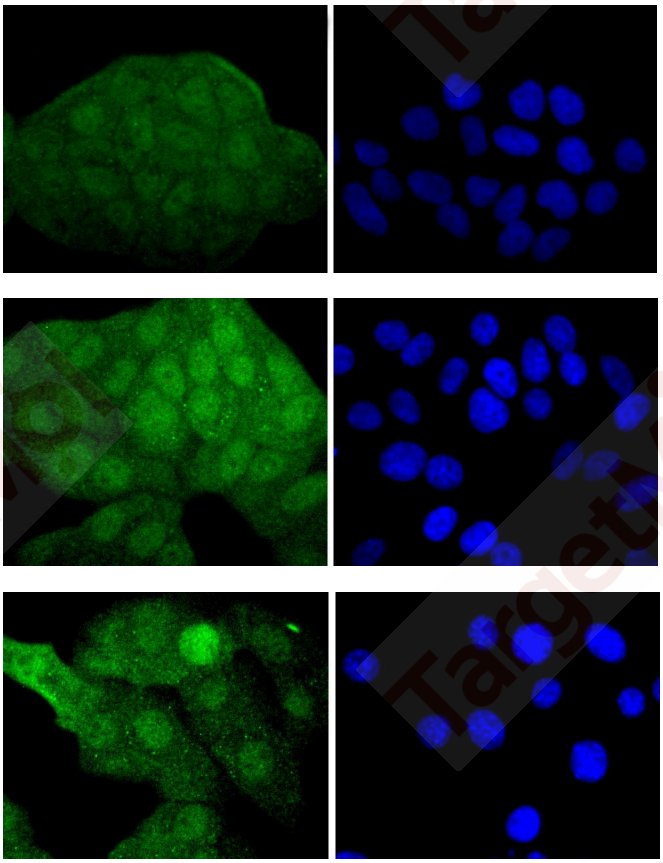
Applications

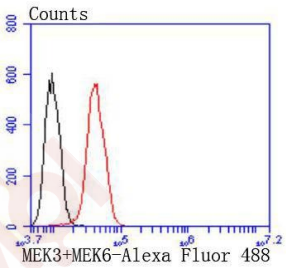
Verified Activity:

1. Western blot analysis of MEK3+MEK6 on different lysates using anti-MEK3+MEK6 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: Jurkat.
2. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-MEK3+MEK6 antibody. Counter stained with hematoxylin.
3. ICC staining MEK3+MEK6 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining MEK3+MEK6 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining MEK3+MEK6 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. Flow cytometric analysis of Hela cells with MEK3+MEK6 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.









Application: FCM,ICC/IF,IHC,IP,WB

Recommended: WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P46734

Synonyms: PRKMK6;ERK kinase 6;MEK6;MAPKK 6;MKK6;MPK 6;Mitogen activated protein kinase kinase 3; MAP2K 6;zMKK 3;MAPK kinase 6;MAPK ERK kinase 3;MAPK ERK kinase 6;MKK3;mMKK 3b;MAP kinase kinase 3;SKK2;PRKMK 3;MEK 3;Protein kinase mitogen activated kinase 6;MEK3;MAPKK3; MAP Kinase Kinase 6;Mitogen activated protein kinase kinase 6;mMKK3b;mMKK 6b;ERK kinase 3;MAPKK 3;MAPK kinase 3;MAPKK6;Dual specificity mitogen activated protein kinase kinase 3;

PRKMK 6;Dual specificity mitogen activated protein kinase kinase 6;Protein kinase mitogen activated kinase 3;PRKMK3;zMKK 6;MEK 6;MKK 6;MAP2K 3;MKK 3;MP2K6;MP2K3;MPK 3; mMKK6b

Research Background

A family of protein kinases located upstream of the MAP kinases and responsible for their activation has been identified. The prototype member of this family, designated MAP kinase kinase, or MEK-1, specifically phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resembles MEK-1 in its substrate specificity. MEK-3 (or MKK-3) functions to activate p38 MAP kinase, and MEK-4 (also called SEK1 or MKK-4) activates both p38 and JNK MAP kinases. MEK-5 appears to specifically phosphorylate ERK5, whereas MEK-6 phosphorylates p38 and p38b. MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway.